UTILITY PATENT APPLICATION TRANSMITTAL **(Large Entity)** *(Only for new nonprovisional applications under 37 CFR 1.53(b))*	Docket No. 32227
	Total Pages in this Submission 75

TO THE ASSISTANT COMMISSIONER FOR PATENTS
Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for the invention entitled:

> **LASER SCANNER WITH PARABOLIC COLLECTOR**

and invented by:

> **DAVID SCOTT GROOTHUIS and MICHAEL THOMAS HANCHETT**

If a CONTINUATION APPLICATION, *check appropriate box and supply the requisite information:*

☐ **Continuation**   ☐ **Divisional**   ☐ **Continuation-in-part (CIP)**   of prior application No.: _____

Which is a:

☐ **Continuation**   ☐ **Divisional**   ☐ **Continuation-in-part (CIP)**   of prior application No.: _____

Which is a:

☐ **Continuation**   ☐ **Divisional**   ☐ **Continuation-in-part (CIP)**   of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below

2. ☒ Specification having ____38____ pages and including the following:

   a. ☒ Descriptive Title of the Invention

   b. ☐ Cross References to Related Applications *(if applicable)*

   c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*

   d. ☒ Reference to Microfiche Appendix *(if applicable)*

   e. ☒ Background of the Invention

   f. ☒ Brief Summary of the Invention

   g. ☒ Brief Description of the Drawings *(if drawings filed)*

   h. ☒ Detailed Description

   i. ☒ Claim(s) as Classified Below

   j. ☒ Abstract of the Disclosure

P01ULRG/REV05

Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*

    a. ☐ Formal   Number of Sheets   _____

    b. ☒ Informal   Number of Sheets   _____11_____

4. ☐ Oath or Declaration

    a. ☐ Newly executed *(original or copy)*   ☐ Unexecuted

    b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*

    c. ☐ With Power of Attorney   ☐ Without Power of Attorney

    d. ☐ *DELETION OF INVENTOR(S)*
           Signed statement attached deleting inventor(s) named in the prior application,
           see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
     The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☒ Computer Program in Microfiche *(Appendix)*

7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*

    a. ☐ Paper Copy

    b. ☐ Computer Readable Copy *(identical to computer copy)*

    c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☐ Assignment Papers *(cover sheet & document(s))*

9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*

10. ☐ English Translation Document *(if applicable)*

11. ☐ Information Disclosure Statement/PTO-1449   ☐ Copies of IDS Citations

12. ☐ Preliminary Amendment

13. ☒ Acknowledgment postcard

14. ☒ Certificate of Mailing

     ☐ First Class   ☒ Express Mail *(Specify Label No.):* **EL888622446US**

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)
(Only for new nonprovisional applications under 37 CFR 1.53(b))

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32227

Total Pages in this Submission
75

Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. ☐ Additional Enclosures *(please identify below):*

   Transmittal of CD-Rs

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

P01ULRG/REV05

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UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)
(Only for new nonprovisional applications under 37 CFR 1.53(b))

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75

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Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate		Fee
Total Claims	15	- 20 =	0	x	$18.00	$0.00
Indep. Claims	3	- 3 =	0	x	$84.00	$0.00
Multiple Dependent Claims (check if applicable) ☐						$0.00
					BASIC FEE	$740.00
OTHER FEE *(specify purpose)*						$0.00
					TOTAL FILING FEE	$740.00

☒ A check in the amount of $740.00 to cover the filing fee is enclosed.

☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 19-0522 as described below. A duplicate copy of this sheet is enclosed.

   ☐ Charge the amount of   as filing fee.

   ☒ Credit any overpayment.

   ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

   ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Signature
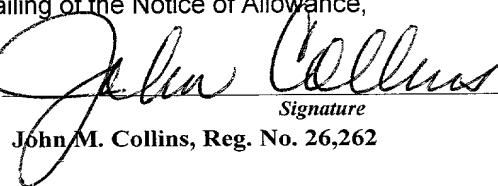
John M. Collins, Reg. No. 26,262

Dated: **January 9, 2002**

23589

PATENT TRADEMARK OFFICE

CC:

P01ULRG/REV05

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)			Docket No. 32227
Applicant(s): GRPPTJIOS. DAVID SCOTT, et al.			
Serial No.	Filing Date	Examiner	Group Art Unit

Invention:	LASER SCANNER WITH PARABOLIC COLLECTOR

I hereby certify that this Express Mail Certification; Patent Transmittal Letter (Largel Entity); Application for U.S. Letters Patent including specification, claims and abstract page (38 pgs); 11 sheets of informal drawings; Copy 1 and Copy 2 of CD-Rs; $740.00 Filing Fee are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on January 9, 2002.

Penelope Kress
(Typed or Printed Name of person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EL88862446US
("Express Mail" Mailing Label Number)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: GROOTHUIS, David S. et al.	)	Docket No.: 32227
	)	
Serial No.:	)	Group Art Unit No.:
	)	
Filed:	)	Examiner:
	)	
LASER SCANNER WITH PARABOLIC	)	
COLLECTOR	)	

Assistant Commissioner of Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Transmitted herewith are two CD-Rs ("compact disks-write once") labeled and hereafter referred to as Copy 1 and Copy 2.

Copy 1 and Copy 2 each contain an identical copy of a computer program listing appendix associated with and incorporated by reference into the above-identified non-provisional utility application. The machine format of each CD-R is IBM-PC; and the operating system compatibility is MS-Windows.

Copy 1 and Copy 2 each contain identical copies of the following ASCII files:

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12/10/2001	13,726	QUICKO~1.DFM
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12/10/2001	2,594	RAIL~1.CPP
12/10/2001	2,211	RAIL~1.HV
12/10/2001	3,141	RAWSOU~1.HV
12/10/2001	4,428	READTH~1.CPP
12/10/2001	2,180	READTH~1.HV
12/10/2001	3,829	REGIDT~1.HV
12/10/2001	15,004	REINIT~1.CPP
12/10/2001	2,960	REINIT~1.HV
12/10/2001	5,548	RESULT~1.CPP
12/10/2001	8,511	RESULT~1.DFM
12/10/2001	3,115	RESULT~1.HV
12/10/2001	2,755	RIVET~1.CPP
12/10/2001	2,231	RIVET~1.HV
12/10/2001	4,645	RODLEN~1.CPP
12/10/2001	2,468	RODLEN~1.HV
12/10/2001	2,325	RODLEN~2.CPP
12/10/2001	2,087	RODLEN~2.HV
12/10/2001	3,431	ROTACC~1.HV
12/10/2001	67,601	SCANDR~1.BPR
12/10/2001	12,924	SCANDR~1.CPP

12/10/2001	1,781	SCANDR~1.RCV
12/10/2001	1,579	SCANDR~1.RHV
12/10/2001	19,531	SCANER~1.CPP
12/10/2001	3,713	SCANER~1.HV
12/10/2001	145,834	SCANNE~1.CPP
12/10/2001	123,954	SCANNE~1.DFM
12/10/2001	25,082	SCANNE~1.HV
12/10/2001	1,376	SCANNE~1.ICO
12/10/2001	8,329	SCANNE~1.RHV
12/10/2001	71,826	SCANNE~2.CPP
12/10/2001	2,259	SCANNE~2.DFM
12/10/2001	1,379	SCANNE~2.HV
12/10/2001	60,693	SCANNE~3.CPP
12/10/2001	10,384	SCANNE~3.DFM
12/10/2001	16,786	SCANNE~3.HV
12/10/2001	32,240	SCANNE~4.CPP
12/10/2001	8,748	SCANNE~4.HV
12/10/2001	149,473	SCANNE~5.CPP
12/10/2001	18,516	SCANNE~5.HV
12/10/2001	28,770	SCANNE~6.HV
12/10/2001	16,663	SCANSE~1.CPP
12/10/2001	62,975	SCANSE~1.DFM
12/10/2001	3,439	SCANSE~1.HV
12/10/2001	4,507	SCANSE~1.IDL

12/10/2001	5,892	SCANST~1.CPP
12/10/2001	42,261	SCANST~1.DFM
12/10/2001	3,384	SCANST~1.HV
12/10/2001	1,537	SCANST~2.HV
12/10/2001	5,781	SCANTH~1.CPP
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12/10/2001	12,251	SHARED~1.CPP
12/10/2001	3,795	SHARED~1.HV
12/10/2001	1,965	SHARED~1.RHV
12/10/2001	24,538	SHOPIN~1.CPP

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12/10/2001	3,904	SHOPIN~1.HV
12/10/2001	11,916	SHOPMA~1.CPP
12/10/2001	3,620	SHOPMA~1.HV
12/10/2001	9,942	SHOWDB~1.CPP
12/10/2001	5,530	SHOWDB~1.HV
12/10/2001	3,516	SPECOP~1.HV
12/10/2001	1,747	SPECTY~1.HV
12/10/2001	13,110	SSRESU~1.CPP
12/10/2001	9,690	SSRESU~1.DFM
12/10/2001	5,500	SSRESU~1.HV
12/10/2001	24,001	STOCKS~1.CPP
12/10/2001	3,560	STOCKS~1.HV
12/10/2001	5,135	STREAM~1.CPP
12/10/2001	3,647	STREAM~1.HV
12/10/2001	6,011	STRUTB~1.CPP
12/10/2001	2,946	STRUTB~1.HV
12/10/2001	5,913	STRUTS~1.CPP
12/10/2001	2,946	STRUTS~1.HV
12/10/2001	4,791	STUD~1.CPP
12/10/2001	2,851	STUD~1.HV
12/10/2001	883	TAE30B~1.CUR
12/10/2001	883	TAE30E~1.CUR
12/10/2001	883	TAE311~1.CUR
12/10/2001	883	TAE314~1.CUR

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12/10/2001	883	TAE31E~1.CUR
12/10/2001	883	TAE321~1.CUR
12/10/2001	883	TAE323~1.CUR
12/10/2001	883	TAE325~1.CUR
12/10/2001	884	TAE337~1.CUR
12/10/2001	884	TAE33A~1.CUR
12/10/2001	884	TAE33C~1.CUR
12/10/2001	884	TAE33E~1.CUR
12/10/2001	884	TAE340~1.CUR
12/10/2001	884	TAE343~1.CUR
12/10/2001	884	TAE345~1.CUR
12/10/2001	884	TAE347~1.CUR
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12/10/2001	884	TAE34C~1.CUR
12/10/2001	883	TAE34E~1.CUR
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12/10/2001	883	TAE355~1.CUR
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12/10/2001	883	TAE35A~1.CUR
12/10/2001	883	TAE35C~1.CUR

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12/10/2001	883	TAE362~1.CUR
12/10/2001	883	TAE364~1.CUR
12/10/2001	884	TAE366~1.CUR
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12/10/2001	884	TAE36E~1.CUR
12/10/2001	884	TAE370~1.CUR
12/10/2001	884	TAE373~1.CUR
12/10/2001	1,586	TARGDE~1.HV
12/10/2001	8,643	TARGET~1.CPP
12/10/2001	883	TARGET~1.CUR
12/10/2001	15,946	TARGET~1.HV
12/10/2001	883	TARGET~2.CUR
12/10/2001	883	TARGET~3.CUR
12/10/2001	883	TARGET~4.CUR
12/10/2001	883	TARGET~5.CUR
12/10/2001	883	TARGET~6.CUR
12/10/2001	883	TARGET~7.CUR
12/10/2001	883	TARGET~8.CUR
12/10/2001	883	TARGET~9.CUR
12/10/2001	20,201	TASK~1.CPP
12/10/2001	4,252	TASK~1.HV
06/04/2001	5,654	TEST.BMP

12/10/2001	6,378	TEST~1.BMP
12/10/2001	884	THAW~1.CUR
12/10/2001	2,892	TRANSL~1.CPP
12/10/2001	13,116	TRANSL~1.DFM
12/10/2001	3,773	TRANSL~1.HV
12/10/2001	882	TRASHC~1.CUR
12/10/2001	15,770	UMSATT~1.CPP
12/10/2001	9,333	UMSATT~1.HV
12/10/2001	84,911	UMSDAT~1.CPP
12/10/2001	13,678	UMSDAT~1.HV
12/10/2001	1,547	UMSINF~1.HV
12/10/2001	16,588	UTILEX~1.CPP
12/10/2001	2,877	UTILEX~1.HV
12/10/2001	3,469	UTILEX~2.HV
12/10/2001	36,631	UTILIT~1.BPR
12/10/2001	13,946	UTILIT~1.CPP
12/10/2001	1,776	UTILIT~1.RCV
12/10/2001	2,254	UTILIT~1.RHV
12/10/2001	18,851	VECT3D~1.CPP
12/10/2001	14,782	VECT3D~1.HV
12/10/2001	11,310	VEHICL~1.CPP
12/10/2001	3,061	VEHICL~1.HV
12/10/2001	2,718	VHCLLI~1.CPP
12/10/2001	1,405	VHCLLI~1.HV

12/10/2001	1,634	VIDEOC~1.BMP
12/10/2001	30,142	WORKOR~1.CPP
12/10/2001	5,010	WORKOR~1.HV
12/10/2001	7,397	XGEOME~1.CPP
12/10/2001	46,547	XGEOME~1.HV
12/10/2001	2,388	XLIST~1.HV
12/10/2001	673	ZOOMMI~1.CUR
12/10/2001	673	ZOOMPL~1.CUR
12/10/2001	885	ZOOM~1.CUR

Respectfully submitted,

By _____
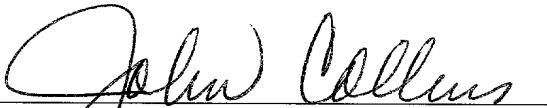
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